

55. The method of claim **53**, wherein the flow rate is 1.0 L/min.

56. The method of claim **44**, wherein the eukaryotic cells are vertebrate cells.

57. The method of claim **56**, wherein the vertebrate cells are selected from the group consisting of frog cells, rabbit cells, rodent cells, sheep cells, goat cells, dog cells, cat cells, cow cells, horse cells, non-human primate cells and human cells.

58. The method of claim **56**, wherein the vertebrate cells are Chinese hamster ovary (CHO) cells.

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